

Title (en)

New additives for retarding setting of cement from methylenephosphonated aminohydrocarbylpiperazine-urea adducts.

Title (de)

Zusatzstoffe zur Zementabbindungsverzögerung von methylen-phosphonatierten Aminohydrocarbylpiperazin-Harnstoff-Addukten.

Title (fr)

Nouveaux additifs pour retarder la prise du ciment de produits d'addition méthylènegosphonaté d'aminohydrocarbylpipérazine-urée.

Publication

**EP 0136790 A2 19850410 (EN)**

Application

**EP 84305409 A 19840808**

Priority

US 52883183 A 19830902

Abstract (en)

Certain methylene phosphonic acid derivatives of aminohydrocarbyl piperazine-urea adducts are good cement retarders. The adducts have the formulawherein A is or X; X is -or H; R is H, ammonium, an alkali or alkaline earth metal; m is 0-2; n is 2 or 3; and wherein at least one X is:-

IPC 1-7

**C04B 24/12**

IPC 8 full level

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CPC (source: EP US)

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Cited by

DE4038147A1; US8147610B2; US8574360B2

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DE FR GB IT NL

DOCDB simple family (publication)

**US 4472200 A 19840918**; AU 3178584 A 19850307; AU 560823 B2 19870416; BR 8407053 A 19850813; CA 1221988 A 19870519; DE 3474658 D1 19881124; EP 0136790 A2 19850410; EP 0136790 A3 19850828; EP 0136790 B1 19881019; JP H0520374 B2 19930319; JP S60502098 A 19851205; WO 8501043 A1 19850314; ZA 846231 B 19860326

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**US 52883183 A 19830902**; AU 3178584 A 19840810; BR 8407053 A 19840807; CA 460943 A 19840814; DE 3474658 T 19840808; EP 84305409 A 19840808; JP 50305884 A 19840807; US 8401235 W 19840807; ZA 846231 A 19840810